

Review

**CRF Errors Edited by the STIC Systems
Branch**

#8

Serial Number: 09/788,269CRF Edit Date: 8/15/01
Edited by: AK**ENTERED**

Reassigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

___ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

✓ Other: Sequence 9 - corrected spelling of "demonstrate"

BEST AVAILABLE COPY



RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/788,269

DATE: 07/13/2004

TIME: 11:21:21

Input Set : A:\pto.amc.txt

Output Set: N:\CRF4\07132004\I788269.raw

3 <110> APPLICANT: Jarvik, Jonathan W.
5 <120> TITLE OF INVENTION: Methods and Products for Peptide-Based cDNA
6 Characterization and Analysis
8 <130> FILE REFERENCE: 2087 010261
10 <140> CURRENT APPLICATION NUMBER: US 09/788,269
11 <141> CURRENT FILING DATE: 2001-02-16
13 <150> PRIOR APPLICATION NUMBER: US 60/182,983
14 <151> PRIOR FILING DATE: 2000-02-16
16 <160> NUMBER OF SEQ ID NOS: 17
18 <170> SOFTWARE: Microsoft Word 97 SR-2
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 6
22 <212> TYPE: PRT
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Example of sequence made up entirely of six-codon amino acids
28 <400> SEQUENCE: 1
29 Leu Arg Arg Leu Leu Arg
30 1 5
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 6
34 <212> TYPE: PRT
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Example of sequence made up entirely of one-codon amino acids
40 <400> SEQUENCE: 2
41 Met Trp Trp Met Met Trp
42 1 5
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 100
46 <212> TYPE: DNA
47 <213> ORGANISM: Homo sapiens
49 <400> SEQUENCE: 3
50 gaattctttac acctcatact ttcccaagcc ccaactttct catctgaaaa tggtaatagt 60
52 atcatcctta catgtttaag gtcatgaatt gctatgtgta 100
54 <210> SEQ ID NO: 4
55 <211> LENGTH: 16
56 <212> TYPE: PRT
57 <213> ORGANISM: Homo sapiens
59 <400> SEQUENCE: 4
60 Thr Met Ile Thr Pro Ser Leu His Ala Cys Arg Ser Thr Leu Glu Asp
61 1 5 10 15
63 <210> SEQ ID NO: 5

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/788,269

DATE: 07/13/2004

TIME: 11:21:21

Input Set : A:\pto.amc.txt

Output Set: N:\CRF4\07132004\I788269.raw

64 <211> LENGTH: 100
65 <212> TYPE: DNA
66 <213> ORGANISM: Homo sapiens
68 <400> SEQUENCE: 5
69 gaattcacat aaatcgcaaa tttttttttt cttcccagag ccattccaaaa ctctgtttgt 60
71 caaaggcctg tctgaggata ccactgaaga gacattaaag 100
73 <210> SEQ ID NO: 6
74 <211> LENGTH: 99
75 <212> TYPE: DNA
76 <213> ORGANISM: Homo sapiens
78 <400> SEQUENCE: 6
79 gaattctctt gggttttgtg gtgtgctaga ctttaattacc catgaatgat tttgtcctct 60
81 tgagaaaatt tcaatagcac atctattagt gttttttat 99
83 <210> SEQ ID NO: 7
84 <211> LENGTH: 27
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <221> NAME/KEY: SITE
90 <222> LOCATION: (4)..(9)
91 <223> OTHER INFORMATION: Oligonucleotide primer containing EcoRI site
93 <400> SEQUENCE: 7
94 cccgaattca gcaggtaaaa atcaagg 27
96 <210> SEQ ID NO: 8
97 <211> LENGTH: 29
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <221> NAME/KEY: SITE
103 <222> LOCATION: (4)..(9)
104 <223> OTHER INFORMATION: Oligonucleotide primer containing EcoRI site
106 <400> SEQUENCE: 8
107 ggggaattct tactcttctc cactgctat 29
109 <210> SEQ ID NO: 9
110 <211> LENGTH: 24
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Nucleotide input sequence used to demonstrate computer
program
116 capabilities
118 <400> SEQUENCE: 9
119 caactagaag aggtaagaaa ctat 24
121 <210> SEQ ID NO: 10
122 <211> LENGTH: 8
123 <212> TYPE: PRT
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Computer program output of encoded peptides
129 <400> SEQUENCE: 10

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/788,269

DATE: 07/13/2004

TIME: 11:21:21

Input Set : A:\pto.amc.txt

Output Set: N:\CRF4\07132004\I788269.raw

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130 Gln Leu Glu Glu Val Arg Asn Tyr
131 1 5
133 <210> SEQ ID NO: 11
134 <211> LENGTH: 326
135 <212> TYPE: DNA
136 <213> ORGANISM: Homo sapiens
138 <220> FEATURE:
139 <221> NAME/KEY: exon
140 <222> LOCATION: (37).. (283)
142 <400> SEQUENCE: 11
143 gggaagccca tctccagctg tctgtttccc tttaagtcca atcaagagca acgtggatgg 60
144 gcggtacctg gtggacggcg tccctttcag ctgctgcaat cctagctcgc cacggccctg 120
145 catccagtat cagatcacca acaactcagc acactacagt tacgaccacc agacggagga 180
146 gctcaacctg tgggtgcgtg gctgcagggc tgccctgctg agctactaca gcagcctcat 240
147 gaactccatg ggtgtcgtca cgctcctcat ttggtcttcc gaggtaggcc ctgggcagct 300
148 gggggtagag ggtaaggaga gcctcc 326
150 <210> SEQ ID NO: 12
151 <211> LENGTH: 36
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Primer synthesized and used to PCR amplify rds/peripherin
exon 2
157 from an individual known to carry a wild type allele of
158 rds/peripherin.
160 <400> SEQUENCE: 12
161 ggcccggaat tctccagctg tctgtttccc tttaag 36
163 <210> SEQ ID NO: 13
164 <211> LENGTH: 37
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Primer synthesized and used to PCR amplify rds/peripherin
exon 2
170 from an individual known to carry a wild type allele of
171 rds/peripherin.
173 <400> SEQUENCE: 13
174 aattttactcg agctaccccc agctgcccag ggcctac 37
176 <210> SEQ ID NO: 14
177 <211> LENGTH: 364
178 <212> TYPE: PRT
179 <213> ORGANISM: Artificial sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Fusion protein
184 <400> SEQUENCE: 14
185 Met Ser Pro Ile Leu Gly Tyr Trp Lys Ile Lys Gly Leu Val Gln Pro
186 1 5 10 15
187 Thr Arg Leu Leu Leu Glu Tyr Leu Glu Glu Lys Tyr Glu Glu His Leu
188 20 25 30
189 Tyr Glu Arg Asp Glu Gly Asp Lys Trp Arg Asn Lys Lys Phe Glu Leu
190 35 40 45

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/788,269

DATE: 07/13/2004

TIME: 11:21:21

Input Set : A:\pto.amc.txt

Output Set: N:\CRF4\07132004\I788269.raw

```

191 Gly Leu Glu Phe Pro Asn Leu Pro Tyr Tyr Ile Asp Gly Asp Val Lys
192      50                      55                      60
193 Leu Thr Gln Ser Met Ala Ile Ile Arg Tyr Ile Ala Asp Lys His Asn
194 65                      70                      75                      80
195 Met Leu Gly Gly Cys Pro Lys Glu Arg Ala Glu Ile Ser Met Leu Glu
196                      85                      90                      95
197 Gly Ala Val Leu Asp Ile Arg Tyr Gly Val Ser Arg Ile Ala Tyr Ser
198                      100                    105                    110
199 Lys Asp Phe Glu Thr Leu Lys Val Asp Phe Leu Ser Lys Leu Pro Glu
200                      115                    120                    125
201 Met Leu Lys Met Phe Glu Asp Arg Leu Cys His Lys Thr Tyr Leu Asn
202 130                      135                      140
203 Gly Asp His Val Thr His Pro Asp Phe Met Leu Tyr Asp Ala Leu Asp
204 145                      150                      155                      160
205 Val Val Leu Tyr Met Asp Pro Met Cys Leu Asp Ala Phe Pro Lys Leu
206                      165                      170                      175
207 Val Cys Phe Lys Lys Arg Ile Glu Ala Ile Pro Gln Ile Asp Lys Tyr
208                      180                      185                      190
209 Leu Lys Ser Ser Lys Tyr Ile Ala Trp Pro Leu Gln Gly Trp Gln Ala
210                      195                    200                    205
211 Thr Phe Gly Gly Gly Asp His Pro Pro Lys Ser Asp Leu Ile Glu Gly
212 210                      215                      220
213 Arg Gly Ile Gln Asp Leu Val Pro His Thr Thr Pro His His Thr Thr
214 225                      230                      235                      240
215 Pro His His Thr Thr Pro His His Thr Thr Pro Gln Asp Leu Asn Ser
216                      245                      250                      255
217 Pro Ala Val Cys Phe Pro Leu Ser Arg Ile Lys Ser Asn Val Asp Gly
218                      260                      265                      270
219 Arg Tyr Leu Val Asp Gly Val Pro Phe Ser Cys Cys Asn Pro Ser Ser
220                      275                    280                    285
221 Pro Arg Pro Cys Ile Gln Tyr Gln Ile Thr Asn Asn Ser Ala His Tyr
222 290                      295                      300
223 Ser Tyr Asp His Gln Thr Glu Glu Leu Asn Leu Trp Val Arg Gly Cys
224 305                      310                      315                      320
225 Arg Ala Ala Leu Leu Ser Tyr Tyr Ser Ser Leu Met Asn Ser Met Gly
226                      325                      330                      335
227 Val Val Thr Leu Leu Ile Trp Leu Phe Glu Val Gly Pro Gly Gln Leu
228                      340                      345                      350
229 Gly Val Ala Arg Ser Ser Gly Arg Ile Val Thr Asp
230                      355                      360

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232 <210> SEQ ID NO: 15

233 <211> LENGTH: 87

234 <212> TYPE: DNA

235 <213> ORGANISM: Artificial sequence

237 <220> FEATURE:

238 <221> NAME/KEY: misc_feature

239 <222> LOCATION: (35)..(37)

240 <223> OTHER INFORMATION: Upstream primer used to reamplify amplicons

241 Start codon at 35-37

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/788,269

DATE: 07/13/2004

TIME: 11:21:21

Input Set : A:\pto.amc.txt

Output Set: N:\CRF4\07132004\I788269.raw

243 <400> SEQUENCE: 15
244 ggatcctaatacgcactcact atagggagac caccatgcat caccatcacc accatcacca 60
245 ctctccagct gtctgtttcc ctttaag 87
247 <210> SEQ ID NO: 16
248 <211> LENGTH: 35
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial sequence.
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Downstream primer used to reamplify amplicons
255 <400> SEQUENCE: 16
256 cttagtcatt atacccccag ctgcccaggg cctac 35
258 <210> SEQ ID NO: 17
259 <211> LENGTH: 28
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Ending of hemoglobin alpha 2 transcript
266 <400> SEQUENCE: 17
267 gcggcaaaaa aaaaaaaaaa aaaaaaaa 28

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/788,269

DATE: 07/13/2004

TIME: 11:21:22

Input Set : A:\pto.amc.txt

Output Set: N:\CRF4\07132004\I788269.raw



RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/788,269

DATE: 07/13/2004

TIME: 11:20:55

Input Set : A:\010261.txt

Output Set: N:\CRF4\07132004\I788269.raw

3 <110> APPLICANT: Jarvik, Jonathan W.
5 <120> TITLE OF INVENTION: Methods and Products for Peptide-Based cDNA
6 Characterization and Analysis
8 <130> FILE REFERENCE: 2087 010261
10 <140> CURRENT APPLICATION NUMBER: US 09/788,269
11 <141> CURRENT FILING DATE: 2001-02-16
13 <150> PRIOR APPLICATION NUMBER: US 60/182,983
14 <151> PRIOR FILING DATE: 2000-02-16
16 <160> NUMBER OF SEQ ID NOS: 17
18 <170> SOFTWARE: Microsoft Word 97 SR-2
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 6
22 <212> TYPE: PRT
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Example of sequence made up entirely of six-codon amino acids
28 <400> SEQUENCE: 1
29 Leu Arg Arg Leu Leu Arg.
30 1 5
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 6
34 <212> TYPE: PRT
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Example of sequence made up entirely of one-codon amino acids
40 <400> SEQUENCE: 2
41 Met Trp Trp Met Met Trp
42 1 5
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 100
46 <212> TYPE: DNA
47 <213> ORGANISM: Homo sapiens
49 <400> SEQUENCE: 3
50 gaattctttac acctcatact ttcccaagcc ccaactttct catctgaaaa tggtaaatagt 60
52 atcattcctta catgtttaag gtcattgaatt gctatgtgta 100
54 <210> SEQ ID NO: 4
55 <211> LENGTH: 16
56 <212> TYPE: PRT
57 <213> ORGANISM: Homo sapiens
59 <400> SEQUENCE: 4
60 Thr Met Ile Thr Pro Ser Leu His Ala Cys Arg Ser Thr Leu Glu Asp .
61 1 5 10 15
63 <210> SEQ ID NO: 5

Does Not Comply
Corrected Diskette Needed

P.2

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/788,269

DATE: 07/13/2004

TIME: 11:20:55

Input Set : A:\010261.txt

Output Set: N:\CRF4\07132004\I788269.raw

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64 <211> LENGTH: 100
65 <212> TYPE: DNA
66 <213> ORGANISM: Homo sapiens
68 <400> SEQUENCE: 5
69 gaattcacat aaatcgcaaa tttttttttc cttcccagag ccatccaaaa ctctgtttgt 60
71 caaaggcctg tctgaggata ccaactgaaga gacattaaag 100
73 <210> SEQ ID NO: 6
74 <211> LENGTH: 99
75 <212> TYPE: DNA
76 <213> ORGANISM: Homo sapiens
78 <400> SEQUENCE: 6
79 gaattctctt gggttttgtg gtgtgctaga ctttaattacc catgaatgat tttgtcctct 60
81 tgagaaaatt tcaatagcac atctattagt gttttttat 99
83 <210> SEQ ID NO: 7
84 <211> LENGTH: 27
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <221> NAME/KEY: SITE
90 <222> LOCATION: (4)..(9)
91 <223> OTHER INFORMATION: Oligonucleotide primer containing EcoRI site
93 <400> SEQUENCE: 7
94 cccgaattca gcaggtaaaa atcaagg 27
96 <210> SEQ ID NO: 8
97 <211> LENGTH: 29
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <221> NAME/KEY: SITE
103 <222> LOCATION: (4)..(9)
104 <223> OTHER INFORMATION: Oligonucleotide primer containing EcoRI site
106 <400> SEQUENCE: 8
107 ggggaattct tactcttctc caactgctat 29
109 <210> SEQ ID NO: 9
110 <211> LENGTH: 24
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Nucleotide input sequence used to demonstrate computer
program capabilities
116 capabilities
118 <400> SEQUENCE: 9
119 caactagaag aggtaagaaa ctat 24
121 <210> SEQ ID NO: 10
122 <211> LENGTH: 8
123 <212> TYPE: PRT
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Computer program output of encoded peptides
129 <400> SEQUENCE: 10

```

demonstrate

deonstrate computer

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/788,269

DATE: 07/13/2004

TIME: 11:20:55

Input Set : A:\010261.txt

Output Set: N:\CRF4\07132004\I788269.raw

```

130 Gln Leu Glu Glu Val Arg Asn Tyr
132 <210> SEQ ID NO: 11
133 <211> LENGTH: 326
134 <212> TYPE: DNA
135 <213> ORGANISM: Homo sapiens
137 <220> FEATURE:
138 <221> NAME/KEY: exon
139 <222> LOCATION: (37).. (283)
141 <400> SEQUENCE: 11
142 ggggaagccca tctccagctg tctgtttccc tttaagtcga atcaagagca acgtggatgg 60
143 gcggtacctg gtggacggcg tccctttcag ctgctgcaat cctagctcgc cacggccctg 120
144 catccagtat cagatcacca acaactcagc acactacagt tacgaccacc agacggagga 180
145 gctcaacctg tgggtgcgtg gctgcagggc tgccctgctg agctactaca gcagcctcat 240
146 gaactccatg ggtgtcgtca cgctcctcat ttggtcttc gaggtaggcc ctgggcagct 300
147 gggggtagag ggtaaggaga gcctcc                                     326
149 <210> SEQ ID NO: 12
150 <211> LENGTH: 36
151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Primer synthesized and used to PCR amplify rds/peripherin
exon 2
156      from an individual known to carry a wild type allele of
157      rds/peripherin.
159 <400> SEQUENCE: 12
160 ggcccgggaat tctccagctg tctgtttccc tttaag                                     36
162 <210> SEQ ID NO: 13
163 <211> LENGTH: 37
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Primer synthesized and used to PCR amplify rds/peripherin
exon 2
169      from an individual known to carry a wild type allele of
170      rds/peripherin.
172 <400> SEQUENCE: 13
173 aattttactcg agctaccccc agctgcccag ggcctac                                     37
175 <210> SEQ ID NO: 14
176 <211> LENGTH: 364
177 <212> TYPE: PRT
178 <213> ORGANISM: Artificial sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: Fusion protein
183 <400> SEQUENCE: 14
184 Met Ser Pro Ile Leu Gly Tyr Trp Lys Ile Lys Gly Leu Val Gln Pro
185   1           5           10           15
186 Thr Arg Leu Leu Leu Glu Tyr Leu Glu Glu Lys Tyr Glu Glu His Leu
187   20           25           30
188 Tyr Glu Arg Asp Glu Gly Asp Lys Trp Arg Asn Lys Lys Phe Glu Leu
189   35           40           45
190 Gly Leu Glu Phe Pro Asn Leu Pro Tyr Tyr Ile Asp Gly Asp Val Lys

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/788,269

DATE: 07/13/2004

TIME: 11:20:55

Input Set : A:\010261.txt

Output Set: N:\CRF4\07132004\I788269.raw

```
191      50      55      60
192 Leu Thr Gln Ser Met Ala Ile Ile Arg Tyr Ile Ala Asp Lys His Asn
193 65      70      75      80
194 Met Leu Gly Gly Cys Pro Lys Glu Arg Ala Glu Ile Ser Met Leu Glu
195      85      90      95
196 Gly Ala Val Leu Asp Ile Arg Tyr Gly Val Ser Arg Ile Ala Tyr Ser
197      100      105      110
198 Lys Asp Phe Glu Thr Leu Lys Val Asp Phe Leu Ser Lys Leu Pro Glu
199      115      120      125
200 Met Leu Lys Met Phe Glu Asp Arg Leu Cys His Lys Thr Tyr Leu Asn
201      130      135      140
202 Gly Asp His Val Thr His Pro Asp Phe Met Leu Tyr Asp Ala Leu Asp
203 145      150      155      160
204 Val Val Leu Tyr Met Asp Pro Met Cys Leu Asp Ala Phe Pro Lys Leu
205      165      170      175
206 Val Cys Phe Lys Lys Arg Ile Glu Ala Ile Pro Gln Ile Asp Lys Tyr
207      180      185      190
208 Leu Lys Ser Ser Lys Tyr Ile Ala Trp Pro Leu Gln Gly Trp Gln Ala
209      195      200      205
210 Thr Phe Gly Gly Gly Asp His Pro Pro Lys Ser Asp Leu Ile Glu Gly
211      210      215      220
212 Arg Gly Ile Gln Asp Leu Val Pro His Thr Thr Pro His His Thr Thr
213 225      230      235      240
214 Pro His His Thr Thr Pro His His Thr Thr Pro Gln Asp Leu Asn Ser
215      245      250      255
216 Pro Ala Val Cys Phe Pro Leu Ser Arg Ile Lys Ser Asn Val Asp Gly
217      260      265      270
218 Arg Tyr Leu Val Asp Gly Val Pro Phe Ser Cys Cys Asn Pro Ser Ser
219      275      280      285
220 Pro Arg Pro Cys Ile Gln Tyr Gln Ile Thr Asn Asn Ser Ala His Tyr
221      290      295      300
222 Ser Tyr Asp His Gln Thr Glu Glu Leu Asn Leu Trp Val Arg Gly Cys
223 305      310      315      320
224 Arg Ala Ala Leu Leu Ser Tyr Tyr Ser Ser Leu Met Asn Ser Met Gly
225      325      330      335
226 Val Val Thr Leu Leu Ile Trp Leu Phe Glu Val Gly Pro Gly Gln Leu
227      340      345      350
228 Gly Val Ala Arg Ser Ser Gly Arg Ile Val Thr Asp
229      355      360
231 <210> SEQ ID NO: 15
232 <211> LENGTH: 87
233 <212> TYPE: DNA
234 <213> ORGANISM: Artificial sequence
236 <220> FEATURE:
237 <221> NAME/KEY: misc_feature
238 <222> LOCATION: (35)..(37)
239 <223> OTHER INFORMATION: Upstream primer used to reamplify amplicons
240      Start codon at 35-37
242 <400> SEQUENCE: 15
```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/788,269

DATE: 07/13/2004

TIME: 11:20:55

Input Set : A:\010261.txt

Output Set: N:\CRF4\07132004\I788269.raw

```
243 ggatcctaatacgcactcact atagggagac caccatgcat caccatcatc accatcacca 60
244 ctctccagct gtctgtttcc ctttaag 87
246 <210> SEQ ID NO: 16
247 <211> LENGTH: 35
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Downstream primer used to reamplify amplicons
254 <400> SEQUENCE: 16
255 cttagtcatt atacccccag ctgcccaggg cctac 35
257 <210> SEQ ID NO: 17
258 <211> LENGTH: 28
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Ending of hemoglobin alpha 2 transcript
265 <400> SEQUENCE: 17
266 gcggcaaaaa aaaaaaaaaa aaaaaaaaaa 28
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/788,269

DATE: 07/13/2004

TIME: 11:20:56

Input Set : A:\010261.txt

Output Set: N:\CRF4\07132004\I788269.raw

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